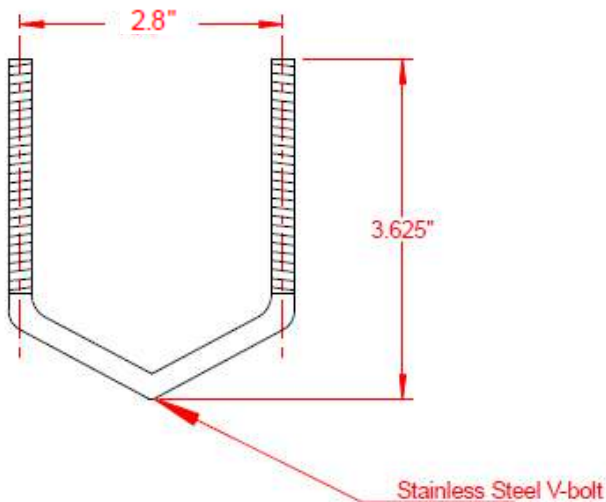
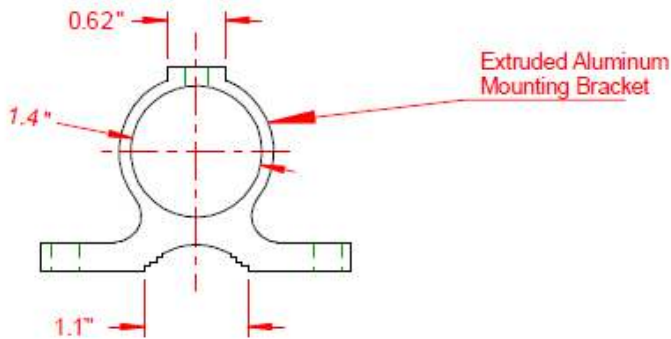
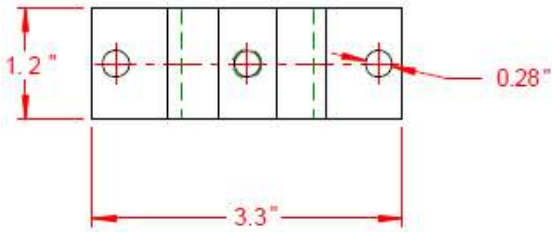


FM2 bracket
for reference only



**FM2 - MOUNTING
BRACKET**

FM2 includes 1 pair of aluminum mounting brackets and u-bolt hardware

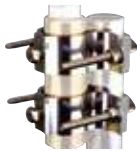
Technical Data - Product Features & Information

- **VSWR:**
<2:1 at resonance
- **Maximum Power:**
200 watts - Most VHF and UHF and above models.
- **Impedance:**
50 ohms, Models with DC continuity.
- **Mounting Sleeve:**
Heavy wall, gold anodized 1 1/4" aluminum.
- **Radiator:**
Precision copper clad elements sealed in white ultraviolet-inhibiting fiberglass radome.
- **Mounts to:**
See optional mounting kits listed.
- **DC Grounded:**
All models excluding FG24005, FG24008, and FG8063WPTNF.
- **Vertical Beam Width:**

Unity	3 dBd	5 dBd	6 dBd	7 dBd
75	33	20	17	14
- **Antenna Weight:**
VHF 3 dBd & UHF 7 dBd = 8 lbs.
All others = 6 lbs. (or less)
- **Termination:**
Recessed type "N" female connector.
- **Wind Survival:**
125 M.P.H.
- **Polarization:**
Vertical Polarization.



FM1



FM2



FM3



FM3W



FMW4

Model	Frequency Range	Tuned Frequency	Gain	Length	Maximum Power
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UHF Models

FG4507	450-460 MHz	455 MHz	7 dBd	107"	200 Watts
FG4603	460-470 MHz	465 MHz	3 dBd	44"	200 Watts
FG4605	460-470 MHz	465 MHz	5 dBd	76"	200 Watts
FG4607	460-470 MHz	465 MHz	7 dBd	107"	200 Watts
FG4705	470-480 MHz	475 MHz	5 dBd	76"	200 Watts
FG4900	490-512 MHz	501 MHz	Unity	26"	200 Watts
FG4907	490-500 MHz	495 MHz	7 dBd	107"	200 Watts
FG5003	500-512 MHz	506 MHz	3 dBd	44"	200 Watts
FG5007	500-512 MHz	506 MHz	7 dBd	107"	200 Watts

700 - 900 MHz Models

FG7463	746-796 MHz	771 MHz	3 dBd	23 1/2"	200 Watts
FG7466	746-796 MHz	771 MHz	6 dBd	61"	200 Watts
FG8060	806-866 MHz	813.5 MHz	Unity	15"	200 Watts
FG8063	806-866 MHz	813.5 MHz	3 dBd	25"	200 Watts
FG8063WPTNF	806-896 MHz	851 MHz	3 dBd	29"	200 Watts
FG8066	806-866 MHz	813.5 MHz	6 dBd	65"	200 Watts
FG8240	824-896 MHz	835 MHz	Unity	15"	200 Watts
FG8243	824-896 MHz	835 MHz	3 dBd	25"	200 Watts
FG8246	824-896 MHz	835 MHz	6 dBd	65"	200 Watts
FG8693	869-902 MHz	882 MHz	3 dBd	25"	200 Watts
FG8960	896-940 MHz	898 MHz	Unity	15"	200 Watts
FG8963	896-940 MHz	898 MHz	3 dBd	25"	200 Watts
FG8966	896-940 MHz	898 MHz	6 dBd	65"	200 Watts
FG9023	902-928 MHz	915 MHz	3 dBd	25"	200 Watts
FG9026	902-928 MHz	915 MHz	6 dBd	65"	200 Watts
FG9283	928-970 MHz	930 MHz	3 dBd	25"	200 Watts
FG9360	936-970 MHz	953 MHz	Unity	15"	200 Watts
FG9286	928-970 MHz	930 MHz	6 dBd	65"	200 Watts
FG9366	936-970 MHz	953 MHz	6 dBd	65"	200 Watts

2.4 GHz Models

FG24005	2400-2500 MHz	2450 MHz	5 dBi	14"	100 Watts
FG24008	2400-2500 MHz	2450 MHz	8 dBi	24"	100 Watts

Dual Band Model

FG821/18503	821-896 MHz	858.5 MHz	Unity	14"	100 watts
	1850-1990 MHz	1920 MHz	3 dBd		

Fiberglass Base Antennas Mounting Options

FM1	Stainless Steel U-Bolt Mount (2)
FM2	Fiberglass Mounting Bracket (2)
FM3	Heavy Duty Large Mount (2)
FM3W	Heavy Duty Large Mount w/weld (2)
FMS9	9 Inch Standoff (2)
FMW4	4 Inch Wall Mount (2)

Fiberglass Base Antenna Accessories

SP3-90-6-BFF	Bulkhead Surge Protector, Bulkhead N Fem to N Fem, 6KA Discharge, .4dB IL, 3 GHz
SP3-90-6-BFM	Bulkhead Surge Protector, Bulkhead N Fem to N Male, 6KA Discharge, .4dB IL, 3 GHz
SP6-230-BFF	DC-6GHz Bulkhead Surge Protector, Bulkhead N Fem to N Fem
SP6-230-BFM	DC-6GHz Bulkhead Surge Protector, Bulkhead N Fem to N Male
CCT213	Heavy Duty Crimp Tool
CN400	Type N Male
R400100	100' Spool High Performance ATX400
R400500	500' Spool High Performance ATX400
PT40025NN	Pigtail 25 ft. ATX400 N to N
PT40050NN	Pigtail 50 ft. ATX400 N to N
PT40075NN	Pigtail 75 ft. ATX400 N to N
PT400100NN	Pigtail 100 ft. ATX400 N to N
IASFST	36 ft. Roll of MOCAP Installation Tape
IASFST10	Six pack of 10" strips of MOCAP Installation Tape

Model	Frequency Range	Gain	Length	Extended Length
VHF Models				
VG1502	150-174 MHz	2 dBi	55"	102"
VG1325	132-150 MHz	5 dBi	55"	102"
VG1505	150-174 MHz	5 dBi	55"	102"
VG1326	132-150 MHz	6 dBi	55"	102"
VG1506	150-174 MHz	6 dBi	55"	102"
VG2002	200-225 MHz	2 dBi	55"	102"

UHF Models				
VG4065	406-450 MHz	5 dBi	25"	35"
VG4505	450-512 MHz	5 dBi	25"	35"
VG4506	450-512 MHz	6 dBi	25"	35"

Model	Description	Mast
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Mounting Options		
FM1	Stainless Steel U Bolt Mount (2)	1 7/8"
FM2	Heavy Duty Base Mounting Bracket (2)	2 1/2"

Model	Frequency	Elements	Gain	Front-Back Ratio	Boom Length	Boom Diameter
Gold Anodized Non Welded VHF Models						
Y1363	136-150 MHz	3	7.1 dBd	17 dB	41-1/2"	7/8"
Y1365	136-150 MHz	5	9.2 dBd	20 dB	72"	1-1/4"
Y1503	150-174 MHz	3	7.1 dBd	17 dB	41-1/2"	7/8"
Y1505	150-174 MHz	5	9.2 dBd	20 dB	72"	1-1/4"
Y2203	220-250 MHz	3	7.1 dBd	17 dB	41-1/2"	7/8"
Y2205	220-250 MHz	5	9.2 dBd	20 dB	72"	1-1/4"

Gold Anodized Fully Welded VHF Models*						
YXXX3W	User Defined	3	7.1 dBd	17 dB	41-1/2"	7/8"
YXXX5W	User Defined	5	9.2 dBd	20 dB	72"	1-1/4"

*may require truck freight

Gold Anodized Fully Welded UHF Models						
Y4065	406-430 MHz	5	9.2 dBd	20 dB	37"	7/8"
Y4066	406-430 MHz	6	10.2 dBd	20 dB	44"	7/8"
Y4303	430-450 MHz	3	7.1 dBd	17 dB	20-3/16"	7/8"
Y4305	430-450 MHz	5	9.2 dBd	20 dB	37"	7/8"
Y4306	430-450 MHz	6	10.2 dBd	20 dB	44"	7/8"
Y43012	430-450 MHz	12	11 dBd	20 dB	68 -1/16"	1-1/4"
Y4503	450-470 MHz	3	7.1 dBd	17 dB	20-3/16"	7/8"
Y4505	450-470 MHz	5	9.2 dBd	20 dB	37"	7/8"
Y4506	450-470 MHz	6	10.2 dBd	20 dB	44"	7/8"
Y45012	450-470 MHz	12	11 dBd	20 dB	68 -1/16"	1-1/4"
Y4705	470-490 MHz	5	9.2 dBd	20 dB	37"	7/8"
Y4706	470-490 MHz	6	10.2 dBd	20 dB	44"	7/8"

Gold Anodized Fully Welded 800/900 MHz Models						
Y8063	806-896 MHz	3	6 dBd	15 dB	16-3/4"	7/8"
Y8066	806-896 MHz	6	9 dBd	16 dB	27-11/16"	7/8"
Y80612	806-896 MHz	12	11 dBd	20 dB	48-7/8"	7/8"
Y8963	896-970 MHz	3	6 dBd	15 dB	16 3/4"	7/8"
Y8966	896-970 MHz	6	9 dBd	16 dB	27 11/16"	7/8"
Y89612	896-970 MHz	12	11 dBd	20 dB	48-7/8"	7/8"
Y80618	806-896 MHz	18	14 dBd	25 dB	69 7/8"	1"
Y89618	896-870 MHz	18	14 dBd	25 dB	69 7/8"	1"

Voyager®

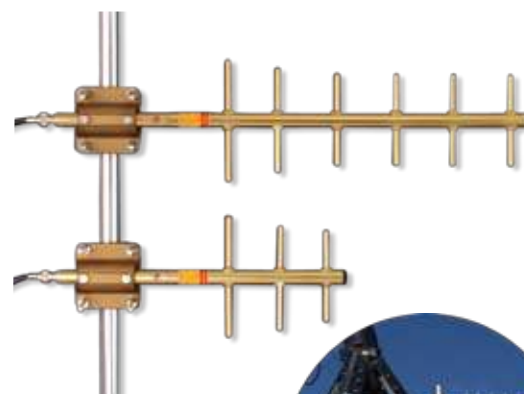
- Field tunable for quick field deployment
- Rugged design performs in harsh environments
- UV inhibiting insulators will not crack, decay, or disassemble with UV exposure



VG1505 and VG4505 shown with optional FM2 Mounting Kit

Directional Yagis

- 360 Fully Welded Gold Anodized models or value leader Silver Series available
- Line up includes 3 element/7.1 dBd gain to 18 element/14 dBd gain variations
- Internal matching design will not ice up, detune, or corrode
- VHF Custom tuning available



Y8066 and Y8063 shown with YM78HD Heavy Duty Mounting Kit



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